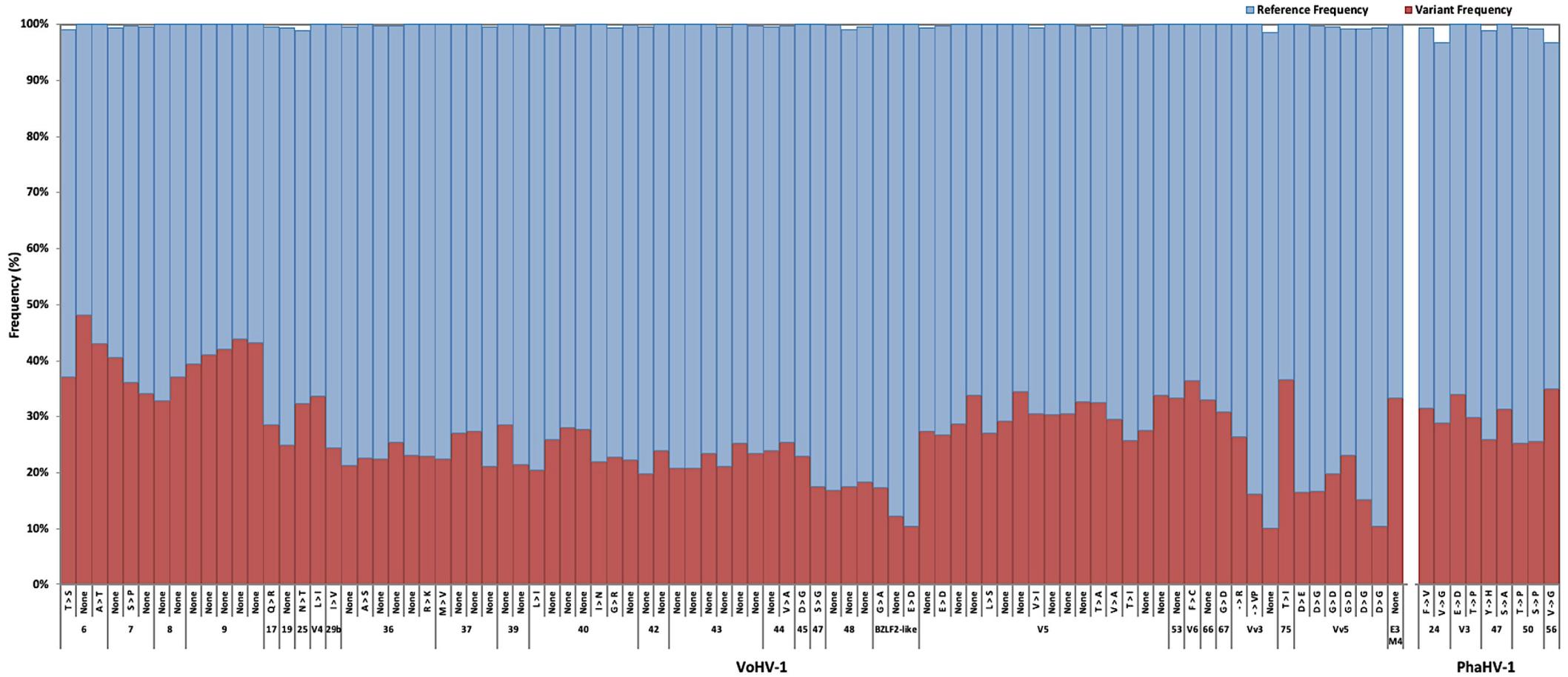
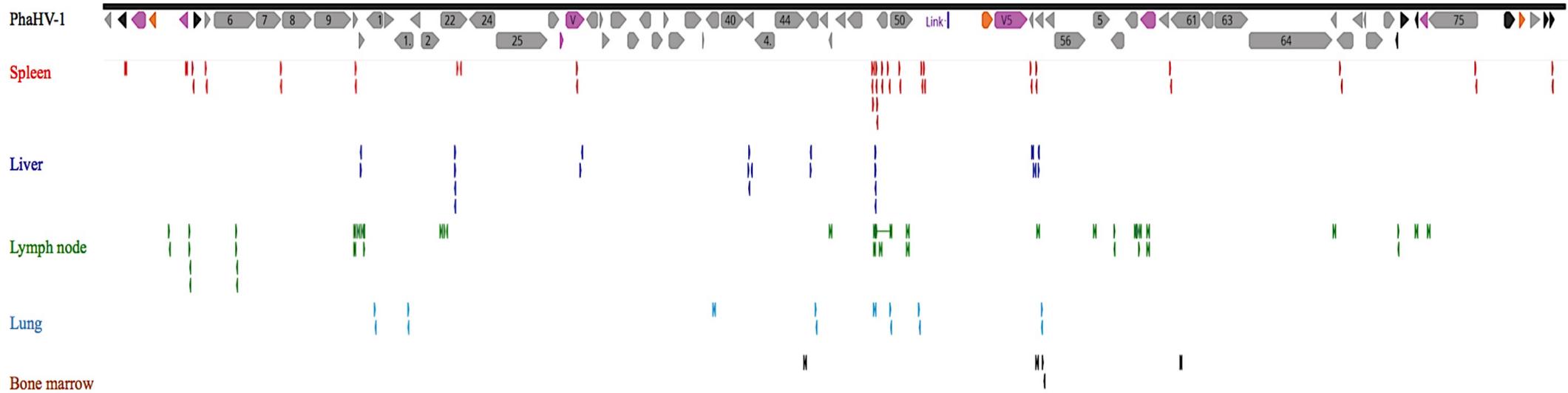




**Supplementary Fig 1:** High resolution image of the PhaHV1 and VoHV1 genome sequence alignment. Increasing nucleotide identity between viral genome sequences is indicated by an increasing darker grey scale; light grey = no identity, medium grey = similar, black = identity, dash = gap sites.



**Supplementary Figure 2.** VoHV1 and PhaHV1 single nucleotide variant (SNV) frequencies. Stacked graph representing variant (red) to reference (blue) SNV frequencies identified within viral coding sequences. The ORFs are indicated by numbers along the x-axis and the effect on the encoded protein is indicated above it for each SNV (None = synonymous substitution, > = non-synonymous amino acid change. - = indel).



**Supplementary Figure 3.** SRA database-extracted transcripts mapped to PhaHV1 and categorised by the tissue type. SRA transcripts were from dataset #SRP033633 (koala transcriptome project) consisting of a female koala euthanized due to severe chlamydiosis and a male koala euthanized following a domestic dog attack.

**Supplementary Table 1.** List of herpesviruses included for phylogenetic analysis of PhaHV1 and VoHV1 and their glycoprotein B(gB) and DNA polymerase (DPOL) protein accession numbers.

Virus	gB accession #	DPOL accession #
<i>Alcelaphine gammaherpesvirus 1</i>	NP_065511.1	NP_065512.1
<i>Alcelaphine gammaherpesvirus 2</i>	YP_009044395.1	YP_009044396.1
<i>Ateline gammaherpesvirus 3</i>	NP_047982.1	NP_047983.1
<i>Bovine alphaherpesvirus 2</i>	P12641.2	AAD55134.1
<i>Bovine gammaherpesvirus 4</i>	NP_076500.1	NP_076501.1
<i>Bovine gammaherpesvirus 6</i>	YP_009041989.1	YP_009041990.1
<i>Callitrichine gammaherpesvirus 3</i>	NP_733856.1	NP_733857.1
<i>Cercopithecine betaherpesvirus 5</i>	YP_004936031.1	YP_004936030.1
<i>Cercopithecine gammaherpesvirus 12</i>	AAK95852.1	-
<i>Colobus guereza cytomegalovirus</i>	ABU62802.1	-
<i>Cricetid gammaherpesvirus 2</i>	YP_004207848.1	YP_004207849.1
<i>Equid alphaherpesvirus 1</i>	-	YP_053075.1
<i>Equid alphaherpesvirus 4</i>	-	NP_045247.1
<i>Equid gammaherpesvirus 2</i>	NP_042604.1	NP_042605.1
<i>Equid gammaherpesvirus 5</i>	YP_009118398.1	YP_009118399.1
<i>Felid alphaherpesvirus 1</i>	AAB28559	YP_003331549.1
<i>Felis catus gammaherpesvirus</i>	YP_009173886.1	YP_009173887.1
<i>Gorilline gammaherpesvirus 1</i>	CAE46449.1	-
<i>Harp seal gammaherpesvirus</i>	AJG42937.1	AHA14644.1
<i>Human alphaherpesvirus 1</i>	NP_044629.1	NP_044632.1
<i>Human alphaherpesvirus 3</i>	NP_040154.2	NP_040151.1
<i>Human betaherpesvirus 5</i>	YP_081514.1	-
<i>Human betaherpesvirus 6</i>	NP_042932.1	NP_042931.1
<i>Human betaherpesvirus 7</i>	YP_073779.1	YP_073778.1
<i>Human gammaherpesvirus 4 (EBV)</i>	YP_001129508.1	YP_401712.1
<i>Human gammaherpesvirus 8</i>	YP_001129354.1	YP_001129355.1
<i>Macaca nemestrina betaherpesvirus 7</i>	YP_009253943.1	YP_009253942.1
<i>Macaca nemestrina rhadinovirus 2</i>	AJE29647.1	AAF81664.1
<i>Macacine alphaherpesvirus 1 (HBV)</i>	AAA85652.1	NP_851890.1
<i>Macacine betaherpesvirus 3</i>	ADD92468.1	YP_068180.1
<i>Macacine gammaherpesvirus 4</i>	YP_068009.1	YP_068007.1
<i>Macropodid alphaherpesvirus 1</i>	YP_009227260.1	YP_009227263.1
<i>Murid betaherpesvirus 8</i>	YP_007016462.1	AKE44231.1
<i>Murid gammaherpesvirus 4</i>	NP_044848.3	-
<i>Mustelid gammaherpesvirus 1</i>	AAM62281.1	-
<i>Myotis gammaherpesvirus 8</i>	YP_009229845.1	YP_009229846.1
<i>Myotis ricketti gammaherpesvirus 1</i>	AFM85233.1	AFM85234.1
<i>Myotis ricketti gammaherpesvirus 2</i>	AFM85235.1	AFM85236.1

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<i>Ovine gammaherpesvirus 2</i>	AMM45116.1	YP_438136.1
<i>Panine gammaherpesvirus 1</i>	CAE46448.1	-
<i>Phascolarctid gammaherpesvirus 1</i>	This study	This study
<i>Porcine lymphotropic gammaherpesvirus 1</i>	AAM22114.1	AAF16520.1
<i>Porcine lymphotropic gammaherpesvirus 3</i>	AAO12300.1	AAO12301.1
<i>Saimiriine alphaherpesvirus 1</i>	YP_003933812	YP_003933809.1
<i>Saimiriine gammaherpesvirus 2</i>	NP_040210.1	NP_040211.1
<i>Suid alphaherpesvirus 1 (PRV)</i>	-	YP_068333.1
<i>Suid betaherpesvirus 2</i>	YP_008492978.1	YP_008492977.1
<i>Vombatid gammaherpesvirus 1</i>	This study	This study

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<b>ORF42</b>	<b>Tegument protein; nuclear egress</b>								4			4		99-100				
<i>ORF43</i>	<i>Capsid portal protein</i>																	
<b>ORF44</b>	<b>Helicase-primase complex subunit</b>									2	2	2		96.7-99.8		98.25		
<b>ORF45</b>	<b>Nuclear phosphoprotein</b>										2	4		100	99.5-100	99.88		
<i>ORF46</i>	<i>Uracil-DNA glycosylase</i>																	
<b>ORF47</b>	<b>gL</b>	<b>S48A, Y51H</b>										2			100	100		
<i>ORF48</i>	<i>BRRF2; unknown</i>																	
<b>ORF49</b>	<b>transcontrol protein</b>							6		2	1	9	93.3-100		97.8-100	100		
<b>ORF50</b>	<b>R transactivator</b>	<b>T371P, S505P</b>						2		4	1	7	100		98.9-100	100		
<i>BZLF2</i>	<i>B cell lymphocyte infection factor</i>																	
<i>V5</i>	<i>HP 8</i>																	
<b>ORF52</b>	<b>BLRF2; Tegument protein</b>							2	4			6	99.4	99.4-100				
<b>ORF53</b>	<b>gN</b>							2	2	4	2	2	12	100	100	95-100	98.9-100	95-100
<i>ORF55</i>	<i>Cytoplasmic egress facilitator</i>																	
<i>ORF56</i>	<i>Helicase-primase complex subunit</i>	<b>V448G</b>																
<b>ORF57</b>	<b>Transcriptional control factor</b>											2			98.9-100-splice	99.45		
<b>ORF58</b>	<b>Putative integral membrane glycoprotein</b>											2			98-98.9	98.45		
<b>ORF59</b>	<b>Processivity subunit of the DNA polymerase complex</b>											6			97.8-100			
<b>V6</b>	<b>ORF59 paralog</b>											4			96.7-100			
<b>ORF60</b>	<b>Ribonucleotide reductase small subunit</b>							2				2	99.5-100			99.75		
<b>ORF61</b>	<b>Ribonucleotide reductase large subunit</b>									2		2		100		100		
<i>ORF62</i>	<i>Capsid triplex subunit</i>																	
<i>ORF63</i>	<i>Tegument protein</i>																	
<b>ORF64</b>	<b>Large tegument protein</b>											2			98.9-100	99.45		
<i>ORF65</i>	<i>Small capsid protein</i>																	
<b>ORF66</b>	<b>Nuclear egress membrane protein</b>							2				2	100			100		
<i>ORF67</i>	<i>Inner nuclear membrane protein; capsid docking</i>																	
<i>ORF67A</i>	<i>Viral DNA genome packaging</i>																	
<i>ORF68</i>	<i>Capsid transport nuclear protein</i>																	
<i>ORF69</i>	<i>Nuclear matrix protein; capsid docking</i>																	
<b>Vp3</b>	<b>HP 10.</b>											2			98.9	98.9		
<i>Vp4</i>	<i>HP 11. 2x TMs (central and 3')</i>																	
<b>Vp5</b>	<b>HP 12</b>											1			97.8	97.8		
<b>V7</b>	<b>HP 13 (P) / HP 12 (V)</b>											2			100	100		
<b>ORF75</b>	<b>Large tegument protein/ v-FGAM-synthase</b>							2				2	99.2-100			99.6		
<i>Vp6</i>	<i>HP 14</i>																	
<i>ORF70</i>	<i>Thymidylate synthase</i>																	
<i>Vp7</i>	<i>HP 15. C' TM</i>																	
<b>Vp8</b>	<b>HP 16</b>	<b>G145V, Stop&gt;</b>						2				2	95-96.8			95.9		
<b>ncr 1</b>	<b>downstream of V2 - pseudogene</b>											2			84.2- 98.9	91.55		
<b>ncr 2</b>	<b>b/w V2 and Vp2</b>							2				2	99.2			99.2		
<b>ncr 3</b>	<b>downstream of ORF49</b>							5	4	4	2	15	100	99.5-100	100	100		
<b>ncr 4</b>	<b>b/w ORFs 49-50</b>							1		2	2	5	96.9		100-spliced	100		
<b>ncr 5</b>	<b>downstream of ORF50</b>							3			2	5	91.8-98.9			97.1-98		
	<b>Total mapped reads per tissue type</b>							45	24	8	60	18	155					

**Supplementary Table 3.** List of sequence read archive datasets interrogated for virus-specific transcripts using PhaHV1 and VoHV1 assembled genome sequences as query.

Species	Tissue	SRA accession#
Koala (Female)	spleen	SRR1203868
Koala (Female)	liver	SRR1205138
Koala (Female)	uterus	SRR1205176
Koala (Female)	kidney	SRR1205998
Koala (Female)	lung	SRR1205218
Koala (Female)	heart	SRR1205223
Koala (Female)	brain	SRR1205222
Koala (Female)	adrenal	SRR1205224
Koala (Male)	bone marrow	SRR1106690
Koala (Male)	lymph node	SRR1106707
Koala (Male)	liver	SRR1121764
Koala (Male)	spleen	SRR1122141
Koala (Male)	salivary gland	SRR1207973
Koala (Male)	kidney	SRR1207974
Koala (Male)	testes	SRR1207975
Tasmanian devil	milk	SRX862745
Tasmanian devil	lymph node	SRX015794
Tasmanian devil	testis	SRX015793
Tasmanian devil	testis	SRX015790
Tasmanian devil	spleen	SRX015788
Tammar wallaby	cervical thymus	SRX019250
Tammar wallaby	thoracic thymus	SRX019249

**Supplementary Table 4.** List of the NTPDase homologs from representative mammalian, bacterial, parasitic and fungal species included for phylogenetic comparisons of V4 ORFs from PhaHV1 and VoHV1.

Source		Homolog	Homolog Protein ID		
Animal	Human	hNTPD1	NP_001767		
		hNTPD2	NP_982293		
		hNTPD3	NP_982293		
		hNTPD4	NP_004892		
		hNTPD5	NP_001240		
		hNTPD6	NP_001238		
		hNTPD7	NP_065087		
		hNTPD8	NP_001028285		
	Gray opossum	NTPD1 [Md]	XP_007478782.1		
		NTPD2 [Md]	XP_001374396.1		
		NTPD3 [Md]	F6TMK1		
		NTPD4 [Md]	F7FVT0		
		NTPD5 [Md]	F7BUY1		
		NTPD6 [Md]	F7GCQ3		
		NTPD8 [Md]	XP_001374562.2		
		Tasmanian devil	NTPD1 [Sh]	XP_012395997.1	
	NTPD2 [Sh]		XP_003757575.1		
	NTPD3 [Sh]		G3VBW2		
	NTPD4 [Sh]		G3W8B4		
	NTPD5 [Sh]		G3VJY0		
	NTPD6 [Sh]		XP_012395549.1		
	NTPD7 [Sh]		G3WGX9		
	NTPD8 [Sh]		XP_003757580.1		
	Parasite	Koala	NTPD8 [Pc]	m.539162- koala genome project	
		<i>Plasmodium</i>	P.atlantica.NTPD	YP_663013	
			P.falciparum.NTPD	AAN36910	
			P.syringae.NTPD	NP_793339	
<i>Schistosoma</i>			S.mansoni.NTPD1	AAP94734	
			S.mansoni.NTPD2	ABI79456	
			S.neurona-NTPDase	AAP88692	
<i>Toxoplasma</i>			T.brucei.NTPD1	XP_847211	
			T.brucei.NTPD2	XP_845817.1	
			T.cruzi.NTPD	AAS75599	
			T.gondii.NTPD1	Q27895	
<i>Trichomonas</i>			T.vaginalis.NTPD1	TVAG_063220	
			T.vaginalis.NTPD4	TVAG_444510	
		T.vaginalis.NTPD5	TVAG_351590		
<i>Leishmania</i>		L.braziliensis.NTPD1	XP_001562178		
		L.braziliensis.NTPD2	XP_001562788		
Yeast/ Fungus		<i>Candida</i>	C.albicans.GDA1	XP_716635.1	
			C.albicans.YND1	EEQ44905.1	
			C.parapsilosis.GDA1	CCE44692.1	
			C.parapsilosis.NTPD3	CCE44739.1	
			C.parapsilosis.YND1	CCE44390.1	
			<i>Cryptococcus</i>	C.neoformans.GDA1	AAR87384
		C.neoformans.YND1		XP_571453.1	
		<i>Saccharomyces</i>	S.cerevisiae.GDA1	NP_010872	
			S.cerevisiae.NTPD	EDN62971	
		Bacteria	<i>Legionella</i>	L.major.NTPD1	XP_001681917
				L.pneumophila.Lpg0971	YP_095005
	L.pneumophila.Lpg1905			YP_095922	

**Supplementary Table 5.** List of  $\alpha$ -2,6-sialyltransferases (ST6Gal) from representative vertebrate, invertebrate, insect and viral species included to perform phylogenetic comparisons of V1 ORFs from PhaHV1 and VoHV1.

Type	Species	Homolog_UniProtID
ST6Gal1/2	<i>Petromyzon marinus</i> (Sea lamprey)	E4ZFI1
ST6Gal2	<i>Larimichthys crocea</i> (Large yellow croaker)	A0A0F8AHI3
	<i>Oncorhynchus mykiss</i> (Rainbow trout)	A0A060XHJ0
	<i>Danio rerio</i> (Zebrafish)	Q701R2
	<i>ictalurus punctatus</i> (Channel catfish)	W5U7K9
	<i>Oryzias latipes</i> (Japanese rice fish)	Q5K027
	<i>Aphyosemion striatum</i> (Red-stripped killifish)	A0A1A7WQM0
	<i>Nothobranchius furzeri</i> (Turquoise killifish)	A0A1A7ZXR7
	<i>Gasterosteus aculeatus</i> (Three-spined stickleback)	E4ZFH1
	<i>Tetraodon nigroviridis</i> (Spotted green pufferfish)	Q0E5A9
	<i>Takifugu rubripes</i> (Japanese pufferfish)	Q5QQ37
	<i>Fundulus heteroclitus</i> (Killifish)	A0A147A974
	<i>Poeciliopsis prolifica</i> (blackstripe livebearer)	A0A0S7K925
	<i>Poecilia formosa</i> (Amazon molly)	A0A087YB03
	<i>Lepisosteus oculatus</i> (Spotted gar)	W5MQU5
	<i>Callorhynchus milii</i> (Ghost shark)	E4ZFH7
	<i>Latimeria chalumnae</i> (West Indian ocean coelacanth)	H3A499
	<i>Xenopus tropicalis</i> (Western clawed frog)	Q701R1
	<i>Ornithorhynchus anatinus</i> (Duckbill platypus)	F7DG15
	<i>Monodelphis domestica</i> (Gray short-tailed opossum)	E4ZFH5
	<i>Sarcophilus harrisii</i> (Tasmanian devil)	G3WKN1
	<i>Ophiophagus hannah</i> (King cobra)	V8PIS9
	<i>Anolis carolinensis</i> (American chameleon)	E4ZFG9
	<i>Pelodiscus sinensis</i> (Chinese softshell turtle)	K7FZ65
	<i>Alligator mississippiensis</i> (American alligator)	A0A151NXB1
	<i>Corvus brachyrhynchos</i> (American crow)	A0A091EUW6
	<i>Tinamus guttatus</i> (White-throated tinamou)	A0A099ZJE4
	<i>Ficedula albicollis</i> (Collared flycatcher)	U3JLT4
	<i>Gallus gallus</i> (Chicken)	Q701R0
	<i>Anas platyrhynchos</i> (Mallard)	R0M1I5
	<i>Opisthocomus hoazin</i> (Hoatzin)	A0A091WKW9
	<i>Manacus vitellinus</i> (Golden-collared manakin)	A0A093S9F9
	<i>Pygoscelis adeliae</i> (Adelie penguin)	A0A093P8U1
	<i>Leptosomus discolor</i> (Madagascar cuckoo roller)	A0A091PM56
	<i>Struthio camelus australis</i> (Southern Ostrich)	A0A093HAD8
	<i>Haliaeetus albicilla</i> (White-tailed sea-eagle)	A0A091P1H6
	<i>Podiceps cristatus</i> (Great crested grebe)	A0A094KWH8
	<i>Tyto alba</i> (Barn owl)	A0A093H1Q8
	<i>Nipponia nippon</i> (Crested ibis)	A0A091VSG5
	<i>Picoides pubescens</i> (Downy woodpecker)	A0A093G9T4
	<i>Nestor notabilis</i> (Kea)	A0A091RW52
	<i>Taeniopygia guttata</i> (Zebra finch)	E4ZFH3
	<i>Loxodonta africana</i> (African elephant)	G3SUP0
	<i>Cricetulus griseus</i> (Chinese hamster)	G3H5N6
	<i>Mus musculus</i> (Mouse)	Q76K27
	<i>Rattus norvegicus</i> (Rat)	Q701R3
	<i>Heterocephalus glaber</i> (Naked mole rat)	G5CB84
	<i>Cavia porcellus</i> (Guinea pig)	H0VTS1
	<i>Fukomys damarensis</i> (Damaraland mole rat)	A0A091DYP6
	<i>Myotis brandtii</i> (Brandt's bat)	S7MD19
	<i>Myotis lucifugus</i> (Little brown bat)	G1PJT1
	<i>Bos taurus</i> (Bovine)	A5D7T4

	<i>Sus scrofa</i> (Pig)	F1SU24
	<i>Canis lupus familiaris</i> (Dog)	F1PUV9
	<i>Ailuropoda melanoleuca</i> (Giant panda)	G1M416
	<i>Felis catus</i> (Cat)	M3XFT9
	<i>Mustela putorius furo</i> (European domestic ferret)	M3YHC7
	<i>Oryctolagus cuniculus</i> (Rabbit)	G1STN4
	<i>Otolemur garnettii</i> (Small-eared galago)	H0XG91
	<i>Homo sapiens</i> (Human)	Q96JF0
	<i>Pan troglodytes</i> (Chimpanzee)	Q701R4
	<i>Callithrix jacchus</i> (White-tufted-ear marmoset)	F7FTT5
	<i>Papio anubis</i> (Olive baboon)	A0A096N576
	<i>Macaca mulatta</i> (Rhesus macaque)	G7NAV2
	<i>Macaca fascicularis</i> (Crab-eating macaque)	G7PMW3
Viral	Squirrel poxvirus	C16R
	Yoka poxvirus	G3EI40
	PhaHV1	
	VoHV1	
Insect	<i>Bactrocera cucurbitae</i>	A0A0A1WGW9
	<i>Bactrocera latifrons</i>	A0A0K8U170
	<i>Bactrocera dorsalis</i>	A0A034WRM5
	<i>Culex pungens</i>	B0WWE0
	<i>Aedes albopictus</i>	A0A182H0G1
	<i>Aedes aegypti</i>	Q16FF7
ST6Gal1	<i>Scleropages formosus</i> (Asian bonytongue)	A0A0P7XYW4
	<i>Danio rerio</i> (Zebrafish)	F1QK50
	<i>Danio rerio</i> (Zebrafish)	Q6KB61
	<i>Larimichthys crocea</i> (Large yellow croaker)	A0A0F8AFK5
	<i>Oryzias latipes</i> (Japanese killifish)	Q5K028
	<i>Oreochromis niloticus</i> (Nile tilapia)	I3IV11
	<i>Gasterosteus aculeatus</i> (Three-spined stickleback)	E4ZFH0
	<i>Aphyosemion striatum</i> (Red-striped killifish)	A0A1A7X1V6
	<i>Nothobranchius furzeri</i> (Turquoise killifish)	A0A1A8A8N4
	<i>Nothobranchius rachovii</i> (Bluefin notho)	A0A1A8SL63
	<i>Tetraodon nigroviridis</i> (Spotted green pufferfish)	Q5QQ38
	<i>Fundulus heteroclitus</i> (Killifish)	A0A147AU23
	<i>Xiphophorus maculatus</i> (Southern platyfish)	M4AKR6
	<i>Poecilia formosa</i> (Amazon molly)	A0A087XIB2
	<i>Callorhynchus milii</i> (Ghost shark)	V9KPQ1
	<i>Astyanax mexicanus</i> (Blind cave fish)	W5KLB1
	<i>Lepisosteus oculatus</i> (Spotted gar)	W5MJE3
	<i>Xenopus tropicalis</i> (Western clawed frog)	E4ZFH6
	<i>Anolis carolinensis</i> (Green anole)	G1KAU6
	<i>Alligator mississippiensis</i> (American alligator)	A0A151M639
	<i>Pelodiscus sinensis</i> (Chinese softshell turtle)	K7FGZ3
	<i>Chelonia mydas</i> (Green sea-turtle)	M7BH26
	<i>Anas platyrhynchos</i> (Mallard)	R0JBS1
	<i>Meleagris gallopavo</i> (Common turkey)	G1MY76
	<i>Gallus gallus</i> (Chicken)	Q92182
	<i>Struthio camelus australis</i> (Southern Ostrich)	A0A093HPI3
	<i>Tinamus guttatus</i> (White-throated tinamou)	A0A099ZTD4
	<i>Charadrius vociferus</i> (Killdeer)	A0A0A0A8J4
	<i>Picoides pubescens</i> (Downy woodpecker)	A0A093IV63
	<i>Cuculus canorus</i> (common cuckoo)	A0A091FNS6
	<i>Leptosomus discolor</i> (Madagascar cuckoo roller)	A0A091QS09
	<i>Cariama cristata</i> (Red-legged seriema)	A0A091LV86
	<i>Nipponia nippon</i> (Crested ibis)	A0A091USL0
	<i>Haliaeetus albicilla</i> (White-tailed sea-eagle)	A0A091Q0T8
	<i>Tyto alba</i> (Barn owl)	A0A093FAA9

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<i>Opisthocomus hoazin</i> (Hoatzin)	A0A091VXF3
<i>Amazona aestiva</i> (Blue-fronted Amazon parrot)	A0A0Q3T2I8
<i>Nestor notabilis</i> (Kea)	A0A091S6C8
<i>Aptenodytes forsteri</i> (Emperor penguin)	A0A087QQK1
<i>Pygoscelis adeliae</i> (Adelie penguin)	A0A093QYB8
<i>Manacus vitellinus</i> (Golden-collared manakin)	A0A093QB60
<i>Acanthisitta chloris</i> (Rifleman)	A0A091N533
<i>Corvus brachyrhynchos</i> (American crow)	A0A091EFW3
<i>Ficedula albicollis</i> (Collared flycatcher)	U3JN27
<i>Taeniopygia guttata</i> (Zebra finch)	E4ZFH2
<i>Monodelphis domestica</i> (Gray short-tailed opossum)	F6YWA6
<i>Sarcophilus harrisii</i> (Tasmanian devil)	G3WA45
<i>Macropus eugenii</i> (Tammar wallaby)	G4XE65
<i>Cricetulus griseus</i> (Chinese hamster)	F1SWB0
<i>Rattus norvegicus</i> (Rat)	P13721
<i>Mus musculus</i> (Mouse)	Q64685
<i>Equus caballus</i> (Horse)	F6SU16
<i>Ictidomys tridecemlineatus</i> (Thirteen-lined ground squirrel)	I3MQA5
<i>Loxodonta africana</i> (African elephant)	G3SUY3
<i>Ovis aries</i> (Sheep)	H9NAU0
<i>Bos taurus</i> (Bovine)	O18974
<i>Otolemur garnettii</i> (Small-eared galago)	H0WTY3
<i>Myotis lucifugus</i> (Little brown bat)	G1PS09
<i>Desmodus rotundus</i> (Vampire bat)	K9IXM2
<i>Callithrix jacchus</i> (White-tufted-ear marmoset)	F7I274
<i>Oryctolagus cuniculus</i> (Rabbit)	G1THQ5
<i>Cavia porcellus</i> (Guinea pig)	H0UVP1
<i>Fukomys damarensis</i> (Damaraland mole rat)	A0A091DQ23
<i>Heterocephalus glaber</i> (Naked mole rat)	G5BTD9
<i>Felis catus</i> (Cat)	M3WJN7
<i>Mustela putorius furo</i> (European domestic ferret)	G9KRD3
<i>Ailuropoda melanoleuca</i> (Giant panda)	D2H070
<i>Canis lupus familiaris</i> (Dog)	E2R2H3
<i>Camelus ferus</i> (Wild bactrian camel)	S9WR49
<i>Sus scrofa</i> (Pig)	I3LLS1
<i>Homo sapiens</i> (Human)	P15907
<i>Pongo abelii</i> (Sumatran orangutan)	H2PCA4
<i>Macaca fascicularis</i> (Crab-eating macaque)	G7NYN3
<i>Chlorocebus sabaeus</i> (Green monkey)	A0A0D9RA15
<i>Papio anubis</i> (Olive baboon)	A0A096N7D3

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